

In the Claims:

Please replace all pending claims with the following clean set of claims. No amendments have been made to claims 1-18 and 33. They are listed for clarification purposes. Claim 34 is a new claim.

Sub

- ~~1. (Amended) A pharmaceutical carrier device comprising a layered flexible film having a first water-erodable adhesive layer to be placed in contact with a mucosal surface, a second, water-erodable non-adhesive backing layer, and optionally a pharmaceutical incorporated with said first layer, said second layer, or both layers, wherein said first water-erodable adhesive layer comprises a film-forming polymer and a bioadhesive polymer, and wherein said second water-erodable non-adhesive backing layer comprises a film-forming polymer.~~
- ~~2. The pharmaceutical carrier device of claim 1, wherein said first water-erodable layer comprises an alkyl cellulose or hydroxyalkyl cellulose and a bioadhesive polymer.~~
- ~~3. The pharmaceutical carrier device of claim 1, wherein said first water-erodable adhesive layer comprises a film forming polymer selected from hydroxyethyl cellulose, hydroxypropyl cellulose, hydroxypropylmethyl cellulose, hydroxyethyl methyl cellulose, polyvinyl alcohol, polyethylene glycol, polyethylene oxide, ethylene oxide-propylene oxide copolymers, collagen and derivatives, gelatin, albumin, polyaminoacids and derivatives, polyphosphazenes, polysaccharides and derivatives, or chitin and chitosan, alone or in combination, and a bioadhesive polymer selected from polyacrylic acid, polyvinyl pyrrolidone, or sodium carboxymethyl cellulose, alone or in combination.~~
- ~~4. The pharmaceutical carrier device of claim 1, wherein said second water-erodable non-adhesive backing layer comprises hydroxyethyl cellulose, hydroxypropyl cellulose, hydroxyethylmethyl cellulose, hydroxypropylmethyl cellulose, polyvinyl alcohol, polyethylene~~

glycol, polyethylene oxide, or ethylene oxide-propylene oxide co-polymers, alone or in combination.

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5. (Amended) The pharmaceutical device of claim 1, wherein a pharmaceutical is incorporated with said first water-erodable adhesive layer.

6. The pharmaceutical device of claim 1, wherein said layered film has two layers and a total thickness of from 0.1 mm to 1 mm.

7. The pharmaceutical device of claim 1 which further comprises a third layer between said first adhesive layer and said second backing layer and wherein said third layer is a water-erodable, adhesive layer which has a surface area sufficient to encompass said first adhesive layer and contact the mucosal surface.

8. (Amended) The pharmaceutical device of claim 7, wherein a pharmaceutical is incorporated with said first adhesive layer.

9. The pharmaceutical device of claim 1, wherein one or more of the layers further comprises a component which acts to adjust the kinetics of the erodability of the device.

10. (Amended) The pharmaceutical device of claim 9 wherein the component is a water-based emulsion of polylactide, polyglycolide, lactide-glycolide copolymers, poly- ϵ -caprolactone, polyorthoesters, polyanhydrides, ethyl cellulose, vinyl acetate, cellulose acetate, or polyisobutylene, alone or in combination.

11. The pharmaceutical device of claim 9 wherein the component is alkyl-glycol, propylene glycol, polyethyleneglycol, oleate, sebacate, stearate or esters of glycerol, or phthalate.

12. The pharmaceutical device of claim 7, wherein one or more of the layers further comprises a component which acts to adjust the kinetics of the erodability of the device.

13. (Amended) The pharmaceutical device of claim 12 wherein the component is a water-based emulsion of polylactide, polyglycolide, lactide-glycolide copolymers, poly- ϵ -

caprolactone, polyorthoesters, polyanhydrides, ethyl cellulose, vinyl acetate, cellulose acetate, or polyisobutylene, alone or in combination.

14. The pharmaceutical device of claim 12 wherein the component is alkyl-glycol, propylene glycol, polyethyleneglycol, oleate, sebacate, stearate or esters of glycerol, or phthalate.

15. (Amended) The pharmaceutical device of claim 1, wherein said pharmaceutical incorporated within said first layer, said second layer, or both layers comprises an anti-inflammatory analgesic agent, a steroid anti-inflammatory agent, an antihistamine, a local anesthetic, a bactericide, a disinfectant, a vasoconstrictor, a hemostatic, a chemotherapeutic drug, an antibiotic, a keratolytic, a cauterizing agent, an antiviral, an antirheumatic, an antihypertensive, a bronchodilator, an anticholinergic, an antiemetic, a hormone, a macromolecule, a peptide, a protein, or a vaccine alone or in combination.

16. (Amended) The pharmaceutical device of claim 1, wherein said first water-erodible adhesive layer comprises hydroxypropyl cellulose, hydroxyethyl cellulose, polyacrylic acid, and sodium carboxymethyl cellulose; said second water-erodible non-adhesive backing layer comprises hydroxyethyl cellulose and hydroxypropyl cellulose; and wherein said pharmaceutical comprises dyclonine HCl.

17. (Amended) A layered flexible film disk which adheres to mucosal surfaces for the localized delivery of pharmaceutical, comprising a first adhesive layer and a second non-adhesive backing layer, wherein said pharmaceutical or combination of pharmaceuticals is incorporated with said first adhesive layer, or said second non-adhesive backing layer, or both said first adhesive layer and said second non-adhesive backing layer, and wherein said first water-erodible adhesive layer comprises a film-forming polymer and a bioadhesive polymer, and wherein said second water-erodible non-adhesive backing layer comprises a film-forming polymer, said layered flexible film having a total thickness of from 0.1 mm to 1 mm.

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D/E*
18. (Amended) The layered film disk of claim 17, wherein said pharmaceutical or combination of pharmaceuticals comprises an anti-inflammatory analgesic agent, a steroid anti-inflammatory agent, an antihistamine, a local anesthetic, a bactericide, a disinfectant, a vasoconstrictor, a hemostatic, a chemotherapeutic drug, an antibiotic, a keratolytic, a cauterizing agent, an antiviral, an antirheumatic, an antihypertensive, a bronchodilator, an anticholinergic, an antiemetic, a hormone, a macromolecule, a peptide, a protein, or a vaccine, alone or in combination.

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D/E*
33. The carrier device of Claim 1 wherein the carrier device has a solvent content of from about 1 to about 15 % by weight.

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C/A*
34. (New) A layered flexible film that adheres to mucosal surfaces for the delivery of a flavoring agent to the oral cavity comprising a first water-soluble adhesive layer and a second water-soluble non-adhesive backing layer, wherein said first water-soluble adhesive layer comprises a film-forming polymer and a bioadhesive polymer and is free of a plasticizer, and said second water-soluble non-adhesive backing layer comprises a film-forming polymer, and wherein said flavoring agent is incorporated with said first water-soluble adhesive layer, with said second water-soluble non-adhesive backing layer, or with both said layers.

REMARKS

Applicants have added new claim 34 which recites that the layered flexible film delivers a flavoring agent to the oral cavity. The flavoring agent may be present in the first water-soluble adhesive layer, the second water-soluble non-adhesive backing layer, or both layers. No new matter has been added. Support for this amendment may be found, among other places, at page 18, lines 19-21.